

IN THE CLAIMS:

1. (Currently Amended) ~~Programming~~ A programming station for generating an automation application designed to be executed in an automation equipment, the programming station ~~comprising~~ comprising:

a memory ~~containing a set off~~ for storing at least one or several ~~description files (401)~~ file, each description file describing part of the ~~an~~ automation application program and being ~~expressed in a single, hierarchised~~ hierarchical and ~~object-oriented~~ object-oriented language,;

~~characterised in that the programming station uses a~~ compression program ~~(60) that generates~~ stored in said memory for generating a file in the ~~a~~ compacted format ~~(501)~~ for each description file, the ~~said~~ compression program comprising a stylesheet and a compaction algorithm, said stylesheet for generating a reduced file to be processed by said compaction algorithm for generation of a compacted file, wherein contents of the compacted file being ~~sufficient for the description~~ of ~~describe~~ a part of the an application considered program for execution, ; and

~~in that it uses~~ a loading program ~~to store~~for storing each compacted file (501) ~~in a memory (50)~~located in ~~the an~~ automation equipment.

2. (Currently Amended) ~~Programming~~ A programming station according to claim 1, ~~characterised in that it uses~~further comprising a decompression program (61) ~~to generate~~for generating a description file (401) in a single, hierarchised hierarchical and ~~object-oriented~~object-oriented language describing part of ~~the an~~ application program, from a compacted file (501) ~~stored in the~~ such an automation equipment memory (50).

3. (Currently Amended) ~~Programming~~ A programming station according to claim 2, ~~characterised in that~~wherein the single, ~~hierarchised~~ hierarchical and ~~object-oriented~~object-oriented language is ~~the~~ XML language.

4. (Currently Amended) ~~Programming~~ A programming station according to claim 1, ~~characterised in that~~ wherein said

memory is for storing a set of description files ~~(401) contains~~
containing an application program description file, an
application input-output description file, and an application
data description file.

5. (Currently Amended) ~~Programming~~ A programming station
according to claim 3, ~~characterised in that~~wherein the
compression program ~~(60)~~ and the decompression program ~~(61)~~
~~comprise two steps~~are for being individually executed.

6. (Currently Amended) ~~Programming~~ A programming station
according to claim 3, ~~characterised in that~~wherein the
compression program ~~(60)~~ ~~comprises a step to reduce the~~is for
reducing a length of tags contained in a description file ~~(401)~~
expressed in ~~the~~ XML language by application of a ~~specified~~said
stylesheet. ~~(601)~~ and a step to execute a ~~compaction~~ algorithm
~~(603) adapted to XML files.~~

7. (Currently Amended) ~~Programming~~ A programming station
according to claim 3, ~~characterised in that~~wherein the

decompression program ~~(61)~~ ~~comprises a step to execute~~is for
executing a decompaction algorithm ~~(603)~~ adapted to XML files
and ~~a step to recreate~~for recreating source tags contained in a
description file ~~(401)~~ expressed in the XML language, by
application of ~~a specifies~~aid stylesheet ~~(601)~~.

8. (Currently Amended) ~~Programming~~ A programming station
according to claim 1, ~~characterised in that it includes~~further
comprising an XML handler ~~(20)~~program stored in a non-volatile
memory for communicating ~~dialoguing through notifications~~
~~firstly with a management module (30) of the~~ a tree structure
representative of the ~~an~~ automation application program
expressed in the XML language, and also with a plurality of
database managers ~~(Mng1, Mng2, etc.)~~, each manager being
specific to part of the ~~an~~ automation application program stored
in one of the ~~databases (Db1, Db2, etc.)~~ a plurality of
databases.

9. (Currently Amended) ~~Automation~~ An automation equipment
comprising a memory ~~(50)~~ for containing an automation application

program in the a form of a binary file ~~(502)~~ executable by the automation equipment, ~~characterised in that~~wherein the automation equipment ~~stores~~ is for storing the executable file ~~(502)~~ in its said memory, together with ~~one or several files~~ ~~(501)~~ at least one file in compacted format output ~~from a set of~~ ~~one or more~~ from at least one description file(s) ~~(401)~~ file describing the ~~an~~ automation application program and expressed in a single, ~~hierarchised~~ hierarchical and object oriented ~~object-oriented~~ language, said at least one compacted file formed by operation of a stylesheet and a compaction algorithm, the stylesheet for generating a reduced file for processing by the compaction algorithm for generation of the compacted file.

10. (Currently Amended) Automation ~~An~~ automation equipment according to claim 9, ~~characterised in that~~wherein the single, ~~hierarchised~~ hierarchical and object oriented ~~object-oriented~~ language is ~~the~~ XML language.

11. (Currently Amended) ~~Automation~~ An automation equipment according to claim 10, ~~characterised in that it comprises~~ further comprising translation means in order to convert ~~application~~ for converting the at least one description files ~~(401) file~~ expressed in the XML language into a binary file ~~(502)~~ that can be executed by the automation equipment.

12. (Currently Amended) ~~Automation~~ An automation equipment according to claim 10, ~~characterised in that it comprises~~ further comprising means of for decompressing a file in the a compacted language ~~(501) format~~ to form a description file in XML language ~~(401)~~ by using a specific stylesheet ~~(601)~~ stored in said memory ~~(50)~~.

13. (New) The programming station according to claim 1, wherein said stylesheet is written in eXtensible Stylesheet language (XSL).

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14. (New) The automation equipment according to claim 9, wherein said stylesheet is written in eXtensible Stylesheet language (XSL).